

# ME 603 (FE for Biomechanics) - Lab 1

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## 1. What step of the FE pipeline is PreView used for?

create, edit and discretize geometry

## 2. Describe the different modules:

1. **Structural Mechanics:** Mechanics of structures is a domain of study within applied mechanics that investigates the response (behaviour) of structures under mechanics loads such as buckling of column, torsion of shaft, deflection of a thin shell, vibration of bridges etc.
2. **Biphasic analysis:** Pointers: since a biphasic model can describe the tissue's experimentally observed creep and stress-relaxation responses under various loading configurations